

ABSTRACTMODIFIED CARBOHYDRATE PROCESSING ENZYME

5        The present invention provides a modified polypeptide having carbohydrate processing enzymatic activity, said polypeptide comprising an amino acid sequence selected from:

- (a)        the amino acid sequence of SEQ ID NO: 2 comprising a mutation in at least one of W433, E432 and M439;
- 10        (b)        the amino acid sequence of an enzyme of glycosyl hydrolase family 1, comprising at least one mutation at an amino acid residue equivalent to W433, E432 or M439 of SEQ ID NO: 2; and
- 15        (c)        a variant of (a) or (b) having carbohydrate processing enzymatic activity and comprising at least one amino acid mutation at a position equivalent to W433, E432 or M439 of SEQ ID NO: 2.